Eugenio Coronado

List of Publications by Citations

646 papers	33,129 citations	90 h-index	154 g-index
708 ext. papers	35,494 ext. citations	7.8 avg, IF	7.61 L-index

#	Paper	IF	Citations
646	Coexistence of ferromagnetism and metallic conductivity in a molecule-based layered compound. *Nature*, **2000**, 408, 447-9	50.4	1172
645	Polyoxometalate-Based Molecular Materials. *Chemical Reviews*, **1998**, 98, 273-296	68.1	881
644	Magnetic molecular conductors. *Chemical Reviews*, **2004**, 104, 5419-48	68.1	781
643	Mononuclear lanthanide single-molecule magnets based on polyoxometalates. *Journal of the American Chemical Society*, **2008**, 130, 8874-5	16.4	758
642	High-Nuclearity Magnetic Clusters: Generalized Spin Hamiltonian and Its Use for the Calculation of the Energy Levels, Bulk Magnetic Properties, and Inelastic Neutron Scattering Spectra. *Inorganic Chemistry*, **1999**, 38, 6081-6088	5.1	556
641	Magnetic polyoxometalates: from molecular magnetism to molecular spintronics and quantum computing. *Chemical Society Reviews*, **2012**, 41, 7464-78	58.5	551
640	Dynamic magnetic MOFs. *Chemical Society Reviews*, **2013**, 42, 1525-39	58.5	515
639	Mononuclear lanthanide single molecule magnets based on the polyoxometalates [Ln(W5O18)2]9- and [Ln(beta2-SiW11O39)2]13- (Ln(III) = Tb, Dy, Ho, Er, Tm, and Yb). *Inorganic Chemistry*, **2009**, 48, 3467-79	5.1	441
638	Magnetic functionalities in MOFs: from the framework to the pore. *Chemical Society Reviews*, **2018**, 47, 533-557	58.5	432
637	Spin qubits with electrically gated polyoxometalate molecules. *Nature Nanotechnology*, **2007**, 2, 312-7	28.7	361
636	Enhancing coherence in molecular spin qubits via atomic clock transitions. *Nature*, **2016**, 531, 348-51	50.4	348
635	Magnetic clusters from polyoxometalate complexes. *Coordination Chemistry Reviews*, **1999**, 193-195, 361-394	23.2	308
634	Bistable Spin-Crossover Nanoparticles Showing Magnetic Thermal Hysteresis near Room Temperature. *Advanced Materials*, **2007**, 19, 1359-1361	24	305
633	Reversible colorimetric probes for mercury sensing. *Journal of the American Chemical Society*, **2005**, 127, 12351-6	16.4	298
632	Influence of peripheral substitution on the magnetic behavior of single-ion magnets based on homo- and heteroleptic Tb(III) bis(phthalocyaninate). *Chemistry - A European Journal*, **2013**, 19, 1457-65	4.8	290
631	Room-temperature electrical addressing of a bistable spin-crossover molecular system. *Advanced Materials*, **2011**, 23, 1545-9	24	286
630	Molecular magnetism: from chemical design to spin control in molecules, materials and devices. *Nature Reviews Materials*, **2020**, 5, 87-104	73.3	282

629	Multifunctionality in hybrid magnetic materials based on bimetallic oxalate complexes. *Chemical Society Reviews*, **2011**, 40, 473-97	58.5	272
628	Molecular spins for quantum computation. *Nature Chemistry*, **2019**, 11, 301-309	17.6	259
627	Recent advances in polyoxometalate-containing molecular conductors. *Coordination Chemistry Reviews*, **2005**, 249, 1776-1796	23.2	252
626	Increasing the Nuclearity of Magnetic Polyoxometalates. Syntheses, Structures, and Magnetic Properties of Salts of the Heteropoly Complexes [Ni3(H2O)3(PW10O39)H2O]7-, [Ni4(H2O)2(PW9O34)2]10-, and [Ni9(OH)3(H2O)6(HPO4)2(PW9O34)3]16-. *Inorganic Chemistry*, **1999**, 38, 55-63	5.1	230
625	Lanthanoid single-ion magnets based on polyoxometalates with a 5-fold symmetry: the series [LnP5W30O110]12- (Ln3+ = Tb, Dy, Ho, Er, Tm, and Yb). *Journal of the American Chemical Society*, **2012**, 134, 14982-90	16.4	206
624	Molecule-based magnets formed by bimetallic three-dimensional oxalate networks and chiral tris(bipyridyl) complex cations. The series [ZII(bpy)3][ClO4][MIICrIII(ox)3] (ZII = Ru, Fe, Co, and Ni; MII = Mn, Fe, Co, Ni, Cu, and Zn; ox = oxalate dianion). *Inorganic Chemistry*, **2001**, 40, 113-20	5.1	201
623	Enhanced superconductivity in atomically thin TaS2. *Nature Communications*, **2016**, 7, 11043	17.4	200
622	Intramolecular Proton Transfer Boosts Water Oxidation Catalyzed by a Ru Complex. *Journal of the American Chemical Society*, **2015**, 137, 10786-95	16.4	199
621	A Novel Chainlike Heteropolyanion Formed by Keggin Units: Synthesis and Structure of (ET)8n[PMnW11O39]n □2nH2O. *Angewandte Chemie International Edition in English*, **1995**, 34, 1460-1462		195
620	Hybrid molecular magnets obtained by insertion of decamethyl-metallocenium cations into layered, bimetallic oxalate complexes:. *Chemistry - A European Journal*, **2000**, 6, 552-63	4.8	190
619	Rational design of single-ion magnets and spin qubits based on mononuclear lanthanoid complexes. *Inorganic Chemistry*, **2012**, 51, 12565-74	5.1	177
618	Toward New Organic/Inorganic Superlattices: Keggin Polyoxometalates in Langmuir and LangmuirBlodgett Films. *Langmuir*, **1997**, 13, 2340-2347	4	177
617	Stable single-layer light-emitting electrochemical cell using 4,7-diphenyl-1,10-phenanthroline-bis(2-phenylpyridine)iridium(III) hexafluorophosphate. *Journal of the American Chemical Society*, **2006**, 128, 14786-7	16.4	177
616	Long-Living Light-Emitting Electrochemical Cells □Control through Supramolecular Interactions. *Advanced Materials*, **2008**, 20, 3910-3913	24	175
615	Effect of cyanato, azido, carboxylato, and carbonato ligands on the formation of cobalt(II) polyoxometalates: characterization, magnetic, and electrochemical studies of multinuclear cobalt clusters. *Chemistry - A European Journal*, **2007**, 13, 3525-36	4.8	173
614	Pressure-tuning of magnetism and linkage isomerism in iron(II) hexacyanochromate. *Journal of the American Chemical Society*, **2005**, 127, 4580-1	16.4	173
613	A molecular metal ferromagnet from the organic donor bis(ethylenedithio)tetraselenafulvalene and bimetallic oxalate complexes. *Journal of the American Chemical Society*, **2003**, 125, 10774-5	16.4	169
612	Gd-based single-ion magnets with tunable magnetic anisotropy: molecular design of spin qubits. *Physical Review Letters*, **2012**, 108, 247213	7.4	166

611	Application of the Langmuir–Blodgett Technique to Polyoxometalates: Towards New Magnetic Films. *Angewandte Chemie International Edition in English*, **1997**, 36, 1114-1116		164
610	Efficient Polymer Light-Emitting Diode Using Air-Stable Metal Oxides as Electrodes. *Advanced Materials*, **2009**, 21, 79-82	24	162
609	Near-quantitative internal quantum efficiency in a light-emitting electrochemical cell. *Inorganic Chemistry*, **2008**, 47, 9149-51	5.1	158
608	Optical mercury sensing using a benzothiazolium hemicyanine dye. *Organic Letters*, **2006**, 8, 3857-60	6.2	155
607	Classical treatment of a heisenberg linear chain with spin alternation; application to the MnNi(EDTA)-6H2O complex. *Chemical Physics*, **1983**, 79, 449-453	2.3	152
606	Inverted Solution Processable OLEDs Using a Metal Oxide as an Electron Injection Contact.. *Advanced Functional Materials*, **2008**, 18, 145-150	15.6	151
605	Origin of the large spectral shift in electroluminescence in a blue light emitting cationic iridium(III) complex. *Journal of Materials Chemistry*, **2007**, 17, 5032		150
604	Tuning size and thermal hysteresis in bistable spin crossover nanoparticles. *Inorganic Chemistry*, **2010**, 49, 5706-14	5.1	148
603	Quantum computing with molecular spin systems. *Journal of Materials Chemistry*, **2009**, 19, 1672-1677		148
602	Single-Crystal X-ray Structure and Magnetic Properties of the Polyoxotungstate Complexes Na16[M4(H2O)2(P2W15O56)2].cntdot.nH2O (M = MnII, n = 53; M = NiII, n = 52): An Antiferromagnetic MnII Tetramer and a Ferromagnetic NiII Tetramer. *Inorganic Chemistry*, **1994**, 33, 4016-4022	5.1	146
601	Air stable hybrid organic-inorganic light emitting diodes using ZnO as the cathode. *Applied Physics Letters*, **2007**, 91, 223501	3.4	142
600	Spin states, vibrations and spin relaxation in molecular nanomagnets and spin qubits: a critical perspective. *Chemical Science*, **2018**, 9, 3265-3275	9.4	140
599	Molecular vs. inorganic spintronics: the role of molecular materials and single molecules. *Journal of Materials Chemistry*, **2009**, 19, 1678		134
598	Intercalation of decamethylferrocenium cations in bimetallicoxalate-bridged two-dimensional magnets. *Chemical Communications*, **1997**, 1727-1728	5.8	132
597	Coexistence of superconductivity and magnetism by chemical design. *Nature Chemistry*, **2010**, 2, 1031-6	17.6	129
596	Hybrid Molecular Materials Based upon Magnetic Polyoxometalates and Organic π-Electron Donors: Syntheses, Structures, and Properties of Bis(ethylenedithio)tetrathiafulvalene Radical Salts with Monosubstituted Keggin Polyoxoanions. *Journal of the American Chemical Society*, **1998**, 120, 4671-4681	16.4	129
595	Ferromagnetism and chirality in two-dimensional cyanide-bridged bimetallic compounds. *Inorganic Chemistry*, **2002**, 41, 4615-7	5.1	126
594	Hybrid molecular conductors. *Journal of Materials Chemistry*, **2005**, 15, 66-74		125

593	A Highly Sensitive Hybrid Colorimetric and Fluorometric Molecular Probe for Cyanide Sensing Based on a Subphthalocyanine Dye. *Advanced Functional Materials*, **2006**, 16, 1166-1170	15.6	120
592	Modeling the properties of lanthanoid single-ion magnets using an effective point-charge approach. *Dalton Transactions*, **2012**, 41, 13705-10	4.3	119
591	Single chain magnets based on the oxalate ligand. *Journal of the American Chemical Society*, **2008**, 130, 14987-9	16.4	118
590	Bottom-Up Fabrication of Semiconductive Metal-Organic Framework Ultrathin Films. *Advanced Materials*, **2018**, 30, 1704291	24	117
589	Coexistence of Magnetic and Delocalized Electrons in Hybrid Molecular Materials. The Series of Organic-Inorganic Radical Salts (BEDT-TTF)8[XW12O40](solv)n (X = 2(H+), BIII, SiIV, CuII, CoII, and FeIII; solv = H2O, CH3CN). *Inorganic Chemistry*, **1995**, 34, 4139-4151	5.1	117
588	Hexagonal nanosheets from the exfoliation of Ni2+-Fe3+ LDHs: a route towards layered multifunctional materials. *Journal of Materials Chemistry*, **2010**, 20, 7451		116
587	A tetranuclear rhomblike cluster of manganese(II). Crystal structure and magnetic properties of the heteropoly complex K10[Mn4(H2O)2(PW9O34)2].cntdot.20H2O. *Inorganic Chemistry*, **1993**, 32, 3378-3381	5.1	116
586	Alternating Chains with Ferromagnetic and Antiferromagnetic Interactions. Theory and Magnetic Properties. *Inorganic Chemistry*, **1994**, 33, 5171-5175	5.1	116
585	Chiral molecular magnets: synthesis, structure, and magnetic behavior of the series [M(L-tart)] (M = Mn(II), Fe(II), Co(II), Ni(II); L-tart = (2R,3R)-(+)-tartrate). *Chemistry - A European Journal*, **2006**, 12, 3484-92	4.8	115
584	Hybrid Materials Based on Magnetic Layered Double Hydroxides: A Molecular Perspective. *Accounts of Chemical Research*, **2015**, 48, 1601-11	24.3	113
583	Pressure-induced magnetic switching and linkage isomerism in K0.4Fe4[Cr(CN)6]2.8 x 16 H2O: X-ray absorption and magnetic circular dichroism studies. *Journal of the American Chemical Society*, **2008**, 130, 15519-32	16.4	113
582	Magnetic characterization of tetranuclear copper(II) and cobalt(II) exchange-coupled clusters encapsulated in heteropolyoxotungstate complexes. Study of the nature of the ground states. *Inorganic Chemistry*, **1992**, 31, 1667-1673	5.1	110
581	Influence of the pH on the synthesis of reduced graphene oxide under hydrothermal conditions. *Nanoscale*, **2012**, 4, 3977-82	7.7	109
580	Langmuir-Blodgett Films of Single-Molecule Nanomagnets. *Angewandte Chemie - International Edition*, **1998**, 37, 2842-2845	16.4	109
579	Spin-crossover modification through selective CO2 sorption. *Journal of the American Chemical Society*, **2013**, 135, 15986-9	16.4	108
578	Oxalate-based 2D magnets: the series [NBu4][MIIMnIII(ox)3] (MII = Fe, Co, Ni, Zn; ox = oxalate dianion). *Journal of Materials Chemistry*, **2006**, 16, 2685-2689		108
577	Catenanes and threaded systems: from solution to surfaces. *Chemical Society Reviews*, **2009**, 38, 1674-89	58.5	107
576	Observation of electroluminescence at room temperature from a ruthenium(II) bis-terpyridine complex and its use for preparing light-emitting electrochemical cells. *Inorganic Chemistry*, **2005**, 44, 5966-8	5.1	104

575	Synthesis, Chirality, and Magnetic Properties of Bimetallic Cyanide-Bridged Two-Dimensional Ferromagnets. *Chemistry of Materials*, **2006**, 18, 2670-2681	9.6	104
574	Efficient and stable solid-state light-emitting electrochemical cell using tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) hexafluorophosphate. *Journal of the American Chemical Society*, **2006**, 128, 46-7	16.4	104
573	Beyond the spin model: exchange coupling in molecular magnets with unquenched orbital angular momenta. *Chemical Society Reviews*, **2011**, 40, 3130-56	58.5	101
572	A new heptanuclear cobalt(II) cluster encapsulated in a novel heteropolyoxometalate topology: synthesis, structure, and magnetic properties of [Co7H2O)2(OH)2(P2W25O94]16-. *Inorganic Chemistry*, **2004**, 43, 2689-94	5.1	101
571	First ferromagnetic interaction in a heteropoly complex: [CoII4O14(H2O)2(PW9O27)2]10-. Experiment and theory for intramolecular anisotropic exchange involving the four Co(II) atoms. *Journal of the American Chemical Society*, **1992**, 114, 10380-10383	16.4	101
570	Alkoxide-intercalated CoFe-layered double hydroxides as precursors of colloidal nanosheet suspensions: structural, magnetic and electrochemical properties. *Journal of Materials Chemistry C*, **2014**, 2, 3723-3731	7.1	99
569	Coexistence of Mobile and Localized Electrons in Bis(ethylene)dithiotetrathiafulvalene (BEDT-TTF) Radical Salts with Paramagnetic Polyoxometalates: Synthesis and Physical Properties of (BEDT-TTF)8[CoW12O40]□5.5 H2O. *Angewandte Chemie International Edition in English*, **1994**, 33, 223-226		99
568	Spin-lattice relaxation via quantum tunneling in an Er3+-polyoxometalate molecular magnet. *Physical Review B*, **2010**, 82,	3.3	98
567	Molecule-based magnetic materials. *Angewandte Chemie - International Edition*, **2003**, 42, 2570-2	16.4	98
566	Graphene related magnetic materials: micromechanical exfoliation of 2D layered magnets based on bimetallic anilate complexes with inserted [Fe(acac-trien)] and [Fe(sal-trien)] molecules. *Chemical Science*, **2015**, 6, 4665-4673	9.4	97
565	A SIM-MOF: three-dimensional organisation of single-ion magnets with anion-exchange capabilities. *Chemistry - A European Journal*, **2014**, 20, 10695-702	4.8	95
564	Determining Key Local Vibrations in the Relaxation of Molecular Spin Qubits and Single-Molecule Magnets. *Journal of Physical Chemistry Letters*, **2017**, 8, 1695-1700	6.4	93
563	Metallic Conductivity in a Polyoxovanadate Radical Salt of Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF): Synthesis, Structure, and Physical Characterization of □-(BEDT-TTF)5[H3V10O28]□4H2O. *Advanced Materials*, **2004**, 16, 324-327	24	93
562	Tuning the magneto-structural properties of non-porous coordination polymers by HCl chemisorption. *Nature Communications*, **2012**, 3, 828	17.4	92
561	Polycxometalates: From Magnetic Clusters to Molecular Materials. *Comments on Inorganic Chemistry*, **1995**, 17, 255-281	3.9	92
560	Structural and magnetic study of tetraaqua(EDTA)dinickel dihydrate [Ni2(EDTA)(H2O)4.cntdot.2H2O]. Alternating Lande factors in a two-sublattice 1D system. *Journal of the American Chemical Society*, **1986**, 108, 900-905	16.4	92
559	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering:□ Evidence for Anisotropic Ferromagnetic Exchange Interactions in the Tetrameric Cobalt(II) Cluster [Co4(H2O)2(PW9O34)2]10-. Comparison with the Magnetic and Specific Heat Properties. *Journal of the American Chemical Society*, **1999**, 121, 10028-10034	16.4	91
558	A family of layered chiral porous magnets exhibiting tunable ordering temperatures. *Inorganic Chemistry*, **2013**, 52, 10031-40	5.1	90

557	Correction of the tip convolution effects in the imaging of nanostructures studied through scanning force microscopy. *Nanotechnology*, **2014**, 25, 395703	3.4	90
556	Increasing the Coercivity in Layered Molecular-based Magnets A[MIIMIII(ox)3] (MII = Mn, Fe, Co, Ni, Cu; MIII = Cr, Fe; ox = oxalate; A = organic or organometallic cation). *Advanced Materials*, **1999**, 11, 558-561	24	89
555	Spin switching in electronic devices based on 2D assemblies of spin-crossover nanoparticles. *Advanced Materials*, **2015**, 27, 1288-93	24	85
554	Single-molecule magnetic behavior in a neutral terbium(III) complex of a picolinate-based nitronyl nitroxide free radical. *Inorganic Chemistry*, **2011**, 50, 7370-2	5.1	85
553	White-light phosphorescence emission from a single molecule: application to OLED. *Chemical Communications*, **2009**, 4672-4	5.8	85
552	SIMPRE: a software package to calculate crystal field parameters, energy levels, and magnetic properties on mononuclear lanthanoid complexes based on charge distributions. *Journal of Computational Chemistry*, **2013**, 34, 1961-7	3.5	84
551	Preface for the forum on molecular magnetism: the role of inorganic chemistry. *Inorganic Chemistry* , **2009**, 48, 3293-5	5.1	84
550	Single-component magnetic conductors based on Mo3S7 trinuclear clusters with outer dithiolate ligands. *Journal of the American Chemical Society*, **2004**, 126, 12076-83	16.4	83
549	Design of molecular materials combining magnetic, electrical and optical properties. *Dalton Transactions RSC*, **2000**, 3955-3961		83
548	[(Co(H2O)4)2(H2W12O42)]n6n-: A Novel Chainlike Heteropolyanion Formed by Paradodecatungstate and Cobalt(II) Ions. *Inorganic Chemistry*, **1995**, 34, 524-526	5.1	83
547	Ferrimagnetic Heisenberg chains. *Physical Review B*, **1989**, 40, 10992-10998	3.3	82
546	A chiral ferromagnetic molecular metal. *Journal of the American Chemical Society*, **2010**, 132, 9271-3	16.4	81
545	Nanoscale Deposition of Single-Molecule Magnets onto SiO2 Patterns. *Advanced Materials*, **2007**, 19, 291-295	24	81
544	Bimetallic cyanide-bridged complexes based on the photochromic nitroprusside anion and paramagnetic metal complexes. Syntheses, structures, and physical characterization of the coordination compounds [Ni(en)2]4[Fe(CN)5NO]2[Fe(CN)6]x5H2O, [Ni(en)2][Fe(CN)5NO]x3H2O, [Mn(3-MeOsalen)(H2O)]2[Fe(CN)5NO], and [Mn(5-Brsalen)]2[Fe(CN)5NO]. *Inorganic Chemistry*,	5.1	81
543	A hybrid magnet with coexistence of ferromagnetism and photoinduced Fe(III) spin-crossover. *Chemical Science*, **2011**, 2, 1121	9.4	80
542	Highly phosphorescent perfect green emitting iridium(iii) complex for application in OLEDs. *Chemical Communications*, **2007**, 3276-8	5.8	80
541	Anisotropic exchange in the cobalt-cobalt and cobalt-copper dinuclear EDTA hydrate (Co2(EDTA).cntdot.6H2O, CoCu(EDTA).cntdot.6H2O) bimetallic ordered chains. Low temperature investigation of the thermal and magnetic properties. *Journal of the American Chemical Society*, **1988**, 110, 3907-3913	16.4	78
540	Multi-frequency EPR studies of a mononuclear holmium single-molecule magnet based on the polyoxometalate [Ho(III)(W5O18)2]9-. *Dalton Transactions*, **2012**, 41, 13697-704	4.3	77

539	Subphthalocyanines as narrow band red-light emitting materials. *Tetrahedron Letters*, **2007**, 48, 4657-4660	2	77
538	Extremely weak magnetic exchange interactions in terpy-containing copper(II) dimer. Crystal and molecular structure of Cu(terpy)(CA).H2O and [Cu2(terpy)2(CA)](PF6)2 complexes (terpy = 2,2':6',2"-terpyridine, CA = dianion of chloranilic acid). *Inorganic Chemistry*, **1988**, 27, 19-26	5.1	77
537	Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. *Advanced Materials*, **2007**, 19, 3906-3911	24	76
536	Multifunctional magnetic materials obtained by insertion of a spin-crossover Fe(III) complex into bimetallic oxalate-based ferromagnets. *Chemistry - A European Journal*, **2010**, 16, 2207-19	4.8	75
535	Microscopic approach to the pseudo-spin-1/2 Hamiltonian for Kramers doublets in exchange coupled Co(II) pairs. *Inorganic Chemistry*, **2003**, 42, 2455-8	5.1	75
534	Magnetic in-tube solid phase microextraction. *Analytical Chemistry*, **2012**, 84, 7233-40	7.8	74
533	Hybrid Langmuir□Blodgett Films Formed by Alternating Layers of Magnetic Polyoxometalate Clusters and Organic Donor Molecules□Towards the Preparation of Multifunctional Molecular Materials. *Advanced Materials*, **2001**, 13, 574-577	24	74
532	Mixed-valence polyoxometalate clusters. I. Delocalization of electronic pairs in dodecanuclear heteropoly blues with keggin structure. *Chemical Physics*, **1995**, 195, 1-15	2.3	73
531	Incommensurate nature of the multilayered molecular ferromagnetic metals based on bis(ethylenedithio)tetrathiafulvalene and bimetallic oxalate complexes. *Inorganic Chemistry*, **2004**, 43, 4808-10	5.1	72
530	Modeling the properties of uranium-based single ion magnets. *Chemical Science*, **2013**, 4, 938-946	9.4	71
529	Metal-functionalized covalent organic frameworks as precursors of supercapacitive porous N-doped graphene. *Journal of Materials Chemistry A*, **2017**, 5, 4343-4351	13	71
528	Magnetic polyoxometalates: anisotropic exchange interactions in the moiety of [(NaOH2)Co3(H2O)(P2W15O56)2]17-. *Inorganic Chemistry*, **2005**, 44, 3389-95	5.1	71
527	Polyoxometalate monolayers in Langmuir-Blodgett films. *Chemistry - A European Journal*, **2005**, 11, 3979-87	4.8	71
526	Isoreticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. *Nature Chemistry*, **2018**, 10, 1001-1007	17.6	70
525	Isolated Mn12 single-molecule magnets grafted on gold surfaces via electrostatic interactions. *Inorganic Chemistry*, **2005**, 44, 7693-5	5.1	70
524	Polycationic Mn12 single-molecule magnets as electron reservoirs with S > 10 ground states. *Angewandte Chemie - International Edition*, **2004**, 43, 6152-6	16.4	70
523	Magnetic Excitations in Polyoxometalate Clusters Observed by Inelastic Neutron Scattering: Evidence for Ferromagnetic Exchange Interactions and Spin Anisotropy in the Tetrameric Nickel(II) Cluster [Ni4(H2O)2(PW9O34)2]10- and Comparison with the Magnetic Properties. *Journal of the American Chemical Society*, **1999**, 121, 10021-10027	16.4	70
522	Phase Transitions in Spin-Crossover Thin Films Probed by Graphene Transport Measurements. *Nano Letters*, **2017**, 17, 186-193	11.5	69

521	Electron delocalization in mixed-valence Keggin polyoxometalates. Ab initio calculation of the local effective transfer integrals and its consequences on the spin coupling. *Journal of the American Chemical Society*, **2002**, 124, 15134-40	16.4	69
520	Prussian Blue@MoS2 Layer Composites as Highly Efficient Cathodes for Sodium- and Potassium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1706125	15.6	68
519	Spontaneous magnetization in Ni-Al and Ni-Fe layered double hydroxides. *Inorganic Chemistry*, **2008**, 47, 9103-10	5.1	68
518	Metallic conductivity down to 2 K in a polyoxometalate-containing radical salt of BEDO-TTF. *Angewandte Chemie - International Edition*, **2004**, 43, 3022-5	16.4	68
517	Langmuir-Blodgett films based on inorganic molecular complexes with magnetic or optical properties. *Advances in Colloid and Interface Science*, **2005**, 116, 193-203	14.3	68
516	Construction of a general library for the rational design of nanomagnets and spin qubits based on mononuclear f-block complexes. The polyoxometalate case. *Inorganic Chemistry*, **2014**, 53, 9976-80	5.1	67
515	Increasing the ordering temperatures in oxalate-based 3D chiral magnets: the series [Ir(ppy)2(bpy)][M(II)M(III)(ox)3] x 0.5 H2O (M(II)M(III) = MnCr, FeCr, CoCr, NiCr, ZnCr, MnFe, FeFe); bpy = 2,2'-bipyridine; ppy = 2-phenylpyridine; ox = oxalate dianion). *Inorganic Chemistry*, **2006**, 45, 5653-60	5.1	67
514	Strong enhancement of superconductivity at high pressures within the charge-density-wave states of 2H□aS2 and 2H□aSe2. *Physical Review B*, **2016**, 93,	3.3	66
513	Fragmenting gadolinium: mononuclear polyoxometalate-based magnetic coolers for ultra-low temperatures. *Advanced Materials*, **2012**, 24, 4301-5	24	66
512	Structural, thermal, and magnetic study of solvation processes in spin-crossover [Fe(bpp)(2)][Cr(L)(ox)(2)](2).nH(2)O complexes. *Inorganic Chemistry*, **2007**, 46, 11266-76	5.1	66
511	Layered Molecule-Based Magnets Formed by Decamethylmetallocenium Cations and Two-Dimensional Bimetallic Complexes [MIIRuIII(ox)3][MII=;Mn, Fe, Co, Cu and Zn; ox=oxalate). *Journal of Solid State Chemistry*, **2001**, 159, 391-402	3.3	66
510	High nuclearity magnetic clusters: Magnetic properties of a nine cobalt cluster encapsulated in a polyoxometalate, [Co9(OH)3(H2O)6(HPO4)2(PW9O34)3]16?. *Advanced Materials*, **1994**, 6, 221-223	24	66
509	Studies on the reactivity of S,N-derivatives of nickel with N-donor bases. Crystal structure and magnetic properties of the cubane cluster tetrakis(.mu.-hydroxo)tetrakis(.mu.-1,3-thiazolidine-2-thionato)tetrakis(pyridine)tetranickel(II)-dipyridine. *Inorganic Chemistry*, **1992**, 31, 2053-2056	5.1	65
508	Green Light-Emitting Solid-State Electrochemical Cell Obtained from a Homoleptic Iridium(III) Complex Containing Ionically Charged Ligands. *Chemistry of Materials*, **2006**, 18, 2778-2780	9.6	64
507	Hybrid organic-inorganic light emitting diodes: effect of the metal oxide. *Journal of Materials Chemistry*, **2010**, 20, 4047		61
506	Apoferritin-encapsulated Ni and Co superparamagnetic nanoparticles. *Journal of Materials Chemistry*, **2006**, 16, 2757-2761		61
505	Low-dimensional magnetic systems; from 1D to 3D ferrimagnets. *Journal of Applied Physics*, **1988**, 63, 3551-3553	2.5	61
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